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(54) **Electrophotographic lithographic printing plate precursor.**

(57) An electrophotographic lithographic printing plate precursor is described which utilizes an electrophotographic photoreceptor comprising a conductive support having provided thereon at least one photoconductive layer containing photoconductive zinc oxide and a resin binder, wherein said resin binder comprises at least one resin which contains at least one kind of functional group capable of producing at least one carboxyl group through decomposition and is cross-linked at least in part to bring about improvements in background stain resistance and printing durability.

**EP 0 326 132 A3**



# EUROPEAN SEARCH REPORT

EP 89 10 1348

| DOCUMENTS CONSIDERED TO BE RELEVANT   |   |                              |   |
|---|---|------------------------------|---|
| Category  | Citation of document with indication, where appropriate, of relevant passages   | Relevant to claim            | CLASSIFICATION OF THE APPLICATION (Int. Cl.5) |
| X   | EP-A-0 152 889 (BASF)<br>* page 6, line 20 - page 11, line 6; claim 8 *<br>- - -  | 1,5,7                        | G 03 G<br>13/28<br>G 03 G 5/05                |
| X,Y   | US-A-4 260 671 (S.H.MERILL)<br>* column 2, line 7 - column 3, line 34; claims 7, 8 ** column 4, line 54 @ column 6, lines 1 - 19 *<br>- - - | 1,5,7                        |   |
| Y   | DE-A-3 708 162 (FUJI)<br>* claims 1-12 *<br>- - -   | 7                            |   |
| A   | LU-A-4 344 0 (KALLE)<br>* page 4, paragraph 3 - page 5, paragraph 4; claims 1-4 *<br>- - -  | 1                            |   |
| A   | EP-A-0 128 309 (ALLIED CORP.)<br>* claims 1-10 *<br>- - - - -   | 1-6                          |   |
|   |   |                              | TECHNICAL FIELDS SEARCHED (Int. Cl.5)         |
|   |   |                              | G 03 G  |
| The present search report has been drawn up for all claims  |   |                              |   |
| Place of search   |   | Date of completion of search | Examiner                                      |
| The Hague   |   | 17 April 91                  | VANHECKE H.                                   |
| <div>CATEGORY OF CITED DOCUMENTS</div> <div>X: particularly relevant if taken alone</div> <div>Y: particularly relevant if combined with another document of the same category</div> <div>A: technological background</div> <div>O: non-written disclosure</div> <div>P: intermediate document</div> <div>T: theory or principle underlying the invention</div> <div>E: earlier patent document, but published on, or after the filing date</div> <div>D: document cited in the application</div> <div>L: document cited for other reasons</div> <div>&amp;: member of the same patent family, corresponding document</div> |   |                              |   |